

**IN THE CLAIMS:**

1. (Currently amended) Plastic tube head (2), designed to be assembled with a skirt (3) to form a tube (1), comprising a neck typically threaded orifice (20) and a shoulder (21) comprising an annular connection part (22) to the said skirt, characterized in that wherein,
  - a) the said head (2) is formed by co-injection and comprises a thermoplastic multilayer material comprising an internal layer (24) and an external layer (23) in structure material A, and at least one inner layer (25) in barrier material B that is completely immersed and embedded without discontinuity or break by a structure material A, that forms an internal layer and an external layer,
  - b) the said inner layer (25) barrier material B is encaised embedded by the said internal layer (24) and external layer (23), including structure material A in such a manner that, at the ends of the said head where the said internal and external layers are joined together in one layer, the distances "e" and "e'" between each of the ends (250, 251) of the said inner layer and the corresponding end of the said head being are between 0.02 mm and 5 mm, such that the said inner layer made of a the barrier material B (25) extends over the greatest possible height, while its ends remain encaised or encapsulated by the junction of the said internal layer (24) and external layer (23).
2. (Currently mended) Head according to claim 1, in which the said internal and external layers are made of the same structure material A is polyethylene or PE,

typically a polyolefine chosen from among PE and PP.

3. (Currently amended) Head according to claim 2, in which the said barrier material B is typically chosen to be a polyvinyl alcohol or EVOH.

4. (Currently amended) Head according to claim 3, in which the said multilayer material has at least a 3-layer "A/B/A" structure, where A and B respectively denote a layer of structure material, typically PE, and a layer of barrier material, typically EVOH, the average thickness of the layer of barrier material being between 0.02 and 0.5 mm.

5. (Previously presented) Tube with a head according to claim 1.

6. (Currently amended) Tube according to claim 5 in which the assembly of said skirt and said head is made by co-injection of the said head (2) onto the said previously formed skirt (3) which was previously formed.

Claims 7-16 (Canceled).